



ATTORNEY DOCKET NO.: D3398-00033 CIP

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Aguais et al.

Serial No.:

10/051,905

Group Art Unit: 2171

Filed:

January 17, 2002

Examiner: not assigned

For:

System and Methods for Valuing and Managing the Risk of Credit

Instrument Portfolios

I CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE U.S. POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO THE ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, D.C. 20231

on June 18, 2002

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Assistant Commissioner for Patents Washington, D.C. 20231

Dear Sir:

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER

Enclosed herewith is an Information Disclosure Statement pursuant to 37 CFR. § 1.56 in connection with the above-identified application, which statement is being filed:

- [] Together with the present application.
- [X] Before the first Office Action on the merits or three (3) months from the filing date of this application, whichever occurs last. [37 CFR § 1.97(b)]
- [] After the first Office Action on the merits, but before a Final Office Action under §1.113 or Notice of Allowance under §1.311, whichever occurs first. [37 CFR § 1.97(c)]. (Either the fee or certification is provided, as set forth below)

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[] After a Final Office Action under §1.113 or Notice of Allowance under §1.311, but prior to or with payment of the Issue Fee. [37 CFR § 1.97(d)]. The fee and certification are provided, as set forth below).

Consistent with Applicant's obligations pursuant to 37 CFR §§1.97 and 1.98, the following requirements have been met:

- [X] No separate requirements are needed.
- [X] No additional fee is required.

[] Fee Under 37 CFR § 1.97(c) or 1.97(d)

The fee of \$180.00 for submission of an IDS under § 1.97(c) as set forth in § 1.17(p) accompanies this statement.

[] Certification Under 37 CFR § 1.97(e)

The undersigned certifies:

- [] 1 that each item of information contained in the information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; or
- [] 2 that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the information disclosure statement.

Provision of Copies of References

- [X] A copy of each of the references listed on the attached Form PTO-1449 is enclosed herewith and forms a part hereof.
 - [] A translation of Reference__ is enclosed herewith and forms a part hereof.

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- [] A copy of the European Search Report from a corresponding or related EPO application is enclosed herewith.
- A copy of the International Search Report from a corresponding or related PCT application is enclosed herewith.

Identification of Prior Application(s) In Which Listed Information Was Already Cited And For Which No Copies Are Submitted Or Need Be Submitted

- [] This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior U.S. Application No(s). , filed . The following references were submitted to, and/or cited by, the Office in the prior application(s) and therefore are not required to be provided in this application:
- [X] The Commissioner is hereby authorized to charge any fees associated with this communication or credit any overpayment to Deposit Account No. <u>04-1679</u>.

Respectfully submitted,

Date: <u>6/18/02</u>

STEVEN E. KOFFS

Registration No. 37,163

DUANE MORRIS LLP One Liberty Place Philadelphia, PA 19103-7396 215-979-1250 tel 215-979-1020 fax

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE

Complete if Known 10/051.905 Application Number Filing Date January 17, 2002 First Named Inventor AGUAIS, Scott et al. Group Art Unit N/A N/A **Examiner Name**

STATEMENT BY APPLICANT (use as many sheets as necessary) 5 D3398-00033CIP Sheet of Attorney Docket Number

			U.S. PATENT		
Examiner	Cite	Document Number	Publication Date	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevant
Initials *	No.1	Number - Kind Code ² (if known)	MM-DD-YYYY	Cited Document	Passages or Relevant Figures Appear
		US- 6,249,775	06-19-2001	Freeman et al.	
		US- 6,078,903	06-20-2000	Kealhofer	
		US- 6,014,627	01-11-2000	Togher et al.	
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		FOREIGN PA	ATENT DOCU	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	t°
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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (MPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO Complete if Known 10/051,905 **Application Number** INFORMATION DISCLOSURE Filing Date January 17, 2002 STATEMENT BY APPLICANT First Named Inventor AGUAIS, Scott et al. Group Art Unit N/A (use as many sheets as necessary) N/A **Examiner Name** Sheet 2 of 5 **Attorney Docket Number** D3398-00033CIP

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS		
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²	
		AGUAIS et al., "Creating value from both loan structure and price", Commercial Lending Review, 1998, 13(2): 13-24.		
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Signature	Considered	

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STATEMENT BY APPLICANT

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Application Number 10/051,905

Filing Date January 17, 2002

First Named Inventor AGUAIS, Scott et al.

Group Art Unit N/A

Examiner Name N/A

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(use as many sheets as necessary)
Sheet 3 of 5

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of T² Cite Examiner the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue No.1 Initials * number(s), publisher, city and/or country where published. BELKIN, B., S. J. Suchower and L. Forest, 1998, A one-parameter representation of credit risk and transition matrices, CreditMetrics Monitor, October: 46-56. BELKIN et al., Measures of Credit Risk and Loan Value in KPMG's LAS, October 1997. BRAND, L. and R. Bahar, 1998, "Recoveries on defaulted bonds tied to seniority rankings", Special Report Rating Performance 1997, Standard and Poor's, July COSSIN et al., "Advanced Credit Risk Analysis", (London: Wiley & Sons), 2001, Chapters: 2, 3, 5, 7, 14, 15 and 16. CreditMetrics: The Benchmark for Understanding Credit Risk, Technical Document, 1997, New York, NY: JP RECEIVED Morgan, Inc. DAS, S. and P. Tufano, 1996, "Pricing credit-sensitive debt when interest rates, credit ratings and credit spreads JUN 2 7 2002 are stochastic", Journal of Financial Engineering, 5(2): 161-198. DAS, S., (ed.), 1998, Credit Derivatives: Trading and Management of Credit and Default Risk (Wiley Frontiers in Finance) New York: John Wiley & Sons, Chapters: 1 and 2. DUFFIE, D. and D. Lando, 1997, "Term structures of credit spreads with incomplete accounting information", Working paper, Graduate School, of Business, Stanford University. DUFFIE, D. and K. Singleton, 1999, "Modeling term structures of defaultable bonds", Review of Financial Studies, 12(4): 687-720. EALES, R. and E. Bosworth, 1998, "Severity of loss in the event of default in small business and larger consumer loans", The Journal of Lending and Credit Risk Management, 80(9): 58-65. GINZBURG, A., K. Maloney and R. Willner, "Debt Rating Migration and the Valuation of Commercial Loans",

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Signature	Considered	J

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

MOENIA

Application Number 10/051,905

Filing Date January 17, 2002

First Named Inventor AGUAIS, Scott et al.

Group Art Unit N/A

Examiner Name N/A

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(use as many sheets as necessary)

Sheet 4 of 5

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of Cite T² Examiner the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue No.1 Initials * number(s), publisher, city and/or country where published. GORDY, M., 1998, "A comparative anatomy of credit risk models", Journal of Banking and Finance, 24(1/2). HAYT, G., 2000, "How to Price a Credit Derivative", Risk Magazine, 13(2): 60-61. ISCOE, I., A. Kreinin and D. Rosen, 1999, "An integrated market and credit risk portfolio model", Algo Research Quarterly, 2(3): 21-37. RECEIVED JARROW, R. and S. Turnbull, 1995, "Pricing derivatives on financial securities subject to credit risk", Journal of Finance, 50: 53-85. JUN 2 7 2002 JARROW, R. and S. Tumbull, 2000, "The intersection of market and credit risk", Journal of Banking and Finance, 24(1): 271-299. JARROW, R., D. Lando and S. Tumbull, 1997, "A Markov model for the term structure of credit risk spreads", The Ischnology Center 2100 Review of Financial Studies, 10(2): 481-523. KOYLUOGLU, H. and A. Hickman, 1998, "Reconcilable differences", Risk Magazine, 11(10): 56-62. LANDO, D., "Some Elements of Rating-Based Credit Risk Modeling", Advanced Fixed-Income Valuation Tools (Wiley) (2000) 193-215. LANDO, D., 1994, "Three Essays on Contingent Claims Pricing", Ph.D. thesis, Graduate School of Management, Comell University. LANDO, D., 1998, "On Cox Processes and Credit Risky Securities", Review of Derivatives Research, 2(2/3). LELAND, H., 1994, "Corporate Debt Value, Bond Covenants and Optimal Capital Structure", Journal of Finance, 49: 1213-1252.

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